

## If we were in your shoes...

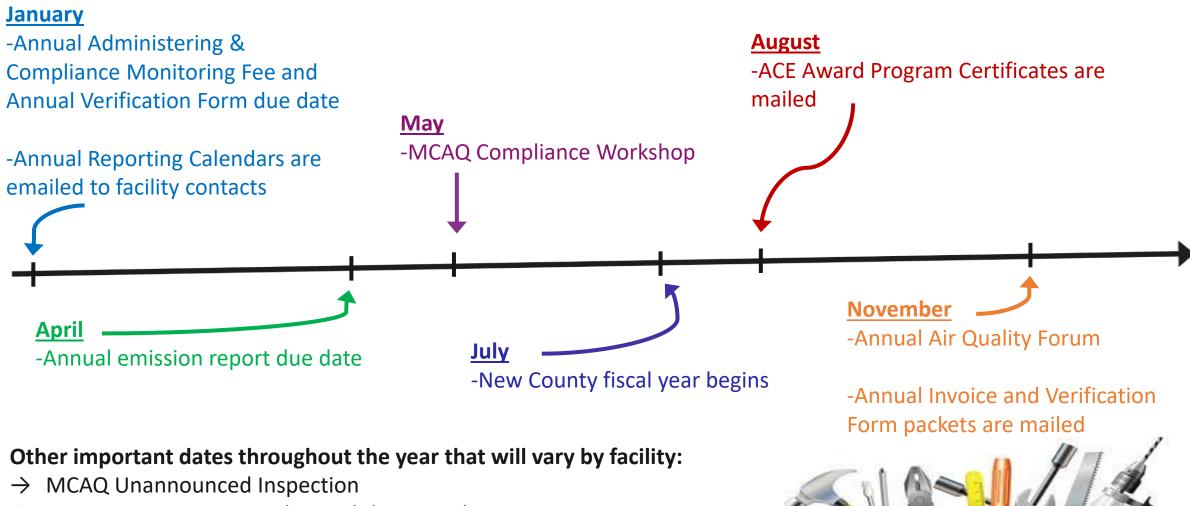
**Evan Shaw & Ivonne Hernandez** 

Air Quality Division

Mecklenburg County Land Use and Environmental Services Agency



### **Mecklenburg County Air Quality Activities Timeline**



- → Reporting requirements beyond the annual report
- → Other air permit requirements required by your facility such as monitoring, recordkeeping, and performance testing

### Common Violations in 2017

- Monitoring and Recordkeeping 29%
- Reporting 29%
- Operating Unpermitted Equipment 18%
- Work Practices 12%
- Emissions Exceedances 12%





## Monitoring

- What?
- Who?
- How?
- How often?
- Where?

EMISSION SOURCE/ CONTROL DEVICE	OPERATING PARAMETER	PARAMETER RANGE	MINIMUM MONITORING FREQUENCY (Once per)		
Mechanical Collector (cyclones) (Wood Fired Boilers)	Pressure drop across collector	0.5 - 4 inches of H <sub>2</sub> O	Month		
Wood Fired Boilers	Moisture content of wood that is u Fired Boilers in order to demonstr factors can be used	Month			
Electrostatic Precipitators	Primary:  VAC: 145 - 400  Primary and secondary voltages (currents and kilowatts)  AAC: 3.5 - 29  Month  kVDC: 26 - 56  mADC: 13 - 163		Month		
Emergency Generators	cy Generators Number of hours each emergency generator operated				



### Recordkeeping

#### 40 CFR 63 Subpart 6J (Boilers) Records (ES-1, ES-2, ES-3, ES-4)

- 1. Biennial Compliance Certification Report (General Boiler Info, Tune-up Procedures, Manufacturer Specs, etc.)
- 2. One Time Energy Assessment Report (For each boiler required to conduct an energy assessment, keep a copy of the energy assessment report)
- 3. Tune-up Records (identify each boiler, date of tune-up, procedures followed for tune-up, and manufacturer's specifications by which the boiler was tuned)
- 4. Amount and type of fuel used

#### 40 CFR 60 Subpart Dc (Boilers) Records (ES-18, ES-19)

- 1. Fuel supplier certification records
- 2. Amount and type of fuel used
  \*If fuel oil is burned instead of natural gas, a visual emissions test is required per Subpart Dc

#### 40 CFR 60 Subpart 4I (Generators) Records (ES-9, ES-10, ES-11)

- 1. Hours of operation
- 2. Records of ULSD fuel
- 3. Documentation of how equipment was used during hours of operation, including what classified it as emergency if applicable (i.e. power outage)

#### 40 CFR 63 Subpart 4Z (Generators) Records (ES-7, ES-17)

- 1. Hours of operation
- 2. Documentation of how equipment was used during hours of operation, including what classified it as emergency if applicable (i.e. power outage)
- 3. Maintenance records to include:
  - Oil and filter change every 500 hours run or annually
  - Inspect air cleaner every 1,000 hours or annually
  - Inspect hoses/belts every 500 hours or annually

• What?

Who?

• How?

• How often?

• Where?







### Website

http://airquality.charmeck.org

**Web Sources Handout** 





AIR QUALITY DATA REGULATED INDUSTRY

MOTOR VEHICLES COMMUNITY



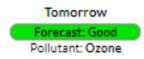
#### Air Quality Awareness Week

April 30 - May 4, 2018

Be Air Aware! Summer months are when the Charlotte region is most likely to exprience poor air quality days. Use the Air Quality Index and the widget below to keep track of forecasted and current air quality conditions. You can also:

- Subscribe to Air Quality Alerts
- Learn how to protect your lungs on poor air quality days
   Help reduce air pollution using these tips

Monday, May 7, 2018





# Your AQ Specialist

## Please share your thoughts!

Of the following MCAQ-created compliance assistance tools, which ones have you <u>used</u> ?		Yes, I Use This (✔)	If you use it, how would you rate its  usefulness?  Not Useful  Very Useful				
1.	Baghouse/Scrubber Monitoring Logs		1	2	3	4	5
2.	Air Quality Email Alerts (GovDelivery)		1	2	3	4	5
3.	Do I Need <u>An</u> Air Permit Online Applicability Determination Form		1	2	3	4	5
4.	MCAQ Emissions Workbook/Informational Video		1	2	3	4	5
5.	Past Workshop Archived Presentations		1	2	3	4	5
6.	Air Pollution Facility Database (EPIC Online)		1	2	3	4	5
7.	Instructions Pages on Emissions Spreadsheets		1	2	3	4	5
8.	MCAQ Annual Reporting Calendar/Report Tracker		1	2	3	4	5
9.	Inspection Checklists		1	2	3	4	5
10.	Other:		1	2	3	4	5

Which of these tools do you use the <u>most</u> ?
Which of these tools is your <u>favorite</u> ?
Please provide any topics/ideas for which you would like to see compliance assistance resources developed:
any other thoughts or comments you would like to share:
Intignal Information

# Questions?

Evan.Shaw@MecklenburgCountyNC.gov 980-314-3358

Ivonne.Hernandez@MecklenburgCountyNC.gov 980-314-3369

